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Chief Intelligence and Innovation Officer and Medical Director, USA

Artificial intelligence in pediatrics: The future directions

Artificial intelligence is well poised to be a multi-dimensional resource for children and their health in the future. The challenges of pediatric clinical medicine and healthcare include small numbers of patients with rare diseases and congenital diseases. Artificial intelligence and data sharing can improve patient outcome and quality of care and also make impact in medical education and clinician training.

Biography

Anthony C. Chang is a pediatric cardiologist and Medical Director of the Heart Failure Program at CHOC Children's. He is the Chief Intelligence and Innovation Officer and Founder and Medical Director of The Sharon Disney Lund Medical Intelligence and Innovation Institute (MI3) at CHOC and serves as co-director of the MI3 Summer Internship Program. He is the founder of Pediatrics 2040 and the founder and chair of the International Society of Pediatric Innovation (ISPI), as well as chairman and founder of Artificial Intelligence in Medicine (AIMed). He also launched the Medical Intelligence Society (MIS), and founder of Medical Intelligence 10 (MI10), founder of the American Board of Artificial Intelligence in Medicine (ABAIM). He is the author of: Intelligence-Based Medicine Principles and Applications of Data Science, Artificial Intelligence, and Human Cognition in Clinical Medicine and Health Care.

He completed his undergraduate education with a Bachelor of Arts in Molecular Biology at Johns Hopkins University. He completed his Doctor of Medicine education at Georgetown University School of Medicine and his Master's of Science (MS) in Data Science with a sub-specialization in artificial intelligence from Stanford School of Medicine and also completed a certification on artificial intelligence from MIT. He has a Master's in Business Administration (MBA) in Health Care Administration from the University of Miami School of Business and a Master's in Public Health (MPH) in Health Care Policy from the Jonathan Fielding School of Public Health of the University of California, Los Angeles.